

FM TRANSMITTER

ABSTRACT OF THE DISCLOSURE

An FM transmitter includes: an oscillation circuit for FM radio transmission; a stereo modulation circuit for modulating a right and a left audio signals and outputting a control signal for controlling the oscillation circuit; a program counter for frequency dividing the output of the oscillation circuit into variable frequencies; a reference frequency divider for dividing 7.6 MHz reference frequency (or an integral multiple of 7.6 MHz); and a PLL frequency synthesizer having a phase comparator for comparing the phases of the outputs of the program counter and of the reference frequency divider to generate a control signal for controlling the oscillation circuit. The stereo modulation circuit is adapted to perform frequency modulation using a clock signal generated by the reference frequency divider. The transmitter has only one quartz oscillator and a greatly reduced number of elements, so that it can be provided in a very compact form at a low manufacturing cost.